



## AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

### Listing of Claims:

- 1 1. (Previously presented) A machine-implemented method for sending packets,  
2 comprising the steps of:  
3 communicating, from an application to an operating system, a policy for manipulating  
4 packets,  
5 wherein the policy specifies at least one of (a) redirection needs of the application, (b)  
6 replication needs of the application, (c) packet aggregating needs of the  
7 application, and (d) packet splitting needs of the application; and  
8 in response to receiving packets at the operating system, the operating system  
9 modifying the packets based on the policy without intervention of the  
10 application.
  
- 1 2. (Previously presented) The method of Claim 1, wherein the step of  
2 communicating the policy comprises:  
3 at the operating system, in response to receiving the policy from the  
4 application, storing the policy in a data structure.
  
- 1 3. (Previously presented) The method of Claim 1, wherein the policy  
2 indicates destinations to which messages should be redirected.
  
- 1 4. (Previously presented) The method of Claim 1, wherein:

2       the step of modifying the packets includes receiving a packet, replicating the packet  
3               based on the policy to create a plurality of replicated packets for a plurality of  
4               users interested in receiving the packet; and  
5       the method further comprises the step of transmitting the replicated packets to the  
6               interested users based on the policy.

1     5-6. (Cancelled).

1     7. (Previously presented) A machine-implemented method for sending messages,  
2               comprising the steps of:  
3               creating, by an application, an aggregate message from individual messages that are to  
4               be sent using an operating system service;  
5               transmitting the aggregate message from the application to an operating system with a  
6               system call;  
7               within the operating system, dividing the aggregate message back into individual  
8               messages; and  
9               transmitting the individual messages using the operating system service,  
10              wherein at least one of the individual messages is sent to a different recipient than  
11              another of the individual messages.

1     8. (Previously presented) The method of Claim 7, wherein the individual messages are  
2              packets.

1    9.    (Previously presented) The method of Claim 7, wherein the aggregate message  
2       includes a policy.

1    10.   (Previously presented) The method of Claim 9, wherein the policy indicates  
2       destinations to which messages should be redirected.

1    11.   (Previously presented) The method of Claim 9, wherein the policy includes video-to-  
2       message information.

1    12.   (Previously presented) The method of Claim 9, wherein the policy includes a time  
2       stamp that is a range of time indicating when the individual messages should be  
3       transmitted.

1    13.   (Previously presented) The method of Claim 9, wherein the policy includes time  
2       stamps for transmitting the individual messages according to the time stamps  
3       associated with the individual messages.

1    14.   (Previously presented) The method of Claim 13, wherein the time stamps are  
2       sequence numbers.

1    15.   (Previously presented) The method of Claim 13, wherein the time stamps are relative  
2       virtual time delays with respect to the first message to be transmitted.

1       16. (Previously presented) A computer-readable medium carrying one or more sequences  
2           of instructions for sending packets, wherein execution of the one or more sequences of  
3           instructions by one or more processors causes the one or more processors to perform  
4           the steps of:  
5                   communicating, from an application to an operating system, a policy for manipulating  
6                   packets,  
7                   wherein the policy specifies at least one of (a) redirection needs of the application, (b)  
8                   replication needs of the application, (c) packet aggregating needs of the  
9                   application, and (d) packet splitting needs of the application; and  
10                  in response to receiving packets at the operating system, the operating system  
11                  modifying the packets based on the policy without intervention of the  
12                  application.

1       17. (Previously presented) The computer-readable medium of Claim 16,  
2           wherein the step of communicating the policy comprises:  
3                  at the operating system, in response to receiving the policy from the  
4                  application, storing the policy in a data structure.

1       18. (Previously presented) The computer-readable medium of Claim 16,  
2           wherein the policy indicates destinations to which certain messages  
3           should be redirected.

1       19. (Previously presented) The computer-readable medium of Claim 16, wherein:

2       the step of modifying the packets includes receiving a packet, replicating the packet  
3               based on the policy to create a plurality of replicated packets for a plurality of  
4               users interested in receiving the packet; and  
5       the method further comprises the step of transmitting the replicated packets to the  
6               interested users based on the policy.

1     20-21. (Cancelled).

1     22. (Previously presented) A computer-readable medium carrying one or more sequences  
2       of instructions for sending messages, wherein execution of the one or more sequences  
3       of instructions by one or more processors causes the one or more processors to  
4       perform the steps of:  
5               creating, by an application, an aggregate message from individual messages that are to  
6               be sent using an operating system service;  
7               transmitting the aggregate message from the application to an operating system with a  
8               system call;  
9               within the operating system, dividing the aggregate message back into individual  
10          messages; and  
11               transmitting the individual messages using the operating system service,  
12               wherein at least one of the individual messages is sent to a different recipient than  
13               another of the individual messages.

- 1    23. (Previously presented) The computer-readable medium of Claim 22, wherein the
- 2                 individual messages are packets.
  
- 1    24. (Previously presented) The computer-readable medium of Claim 22, wherein the
- 2                 aggregate message includes a policy.
  
- 1    25. (Previously presented) The computer-readable medium of Claim 23, wherein the
- 2                 policy indicates destinations to which messages should be redirected.
  
- 1    26. (Previously presented) The computer-readable medium of Claim 24, wherein the
- 2                 policy includes video-to-message information.
  
- 1    27. (Previously presented) The computer-readable medium of Claim 24, wherein the
- 2                 policy includes a time stamp that is a range of time indicating when the individual
- 3                 messages should be transmitted.
  
- 1    28. (Previously presented) The computer-readable medium of Claim 24, wherein the
- 2                 policy includes time stamps for transmitting the individual messages according to the
- 3                 time stamps associated with the individual messages.
  
- 1    29. (Previously presented) The computer-readable medium of Claim 28, wherein the time
- 2                 stamps are sequence numbers.

1       30. (Previously presented) The computer-readable medium of Claim 28, wherein the time  
2           stamps are relative virtual time delays with respect to the first message to be  
3           transmitted.

1       31. (Previously presented) The method of Claim 1, wherein the policy is a first policy,  
2           wherein the packets are a first set of packets, and the method further comprises the  
3           steps of:  
4                   communicating, from the application to the operating system, a second policy for  
5                   manipulating packets; and  
6                   at the operating system, modifying a second set of packets based on the second policy  
7                   while the operating system is still configured to modify the first set of packets  
8                   based on the first policy.

1       32. (Previously presented) The computer-readable medium of Claim 16, wherein the  
2           policy is a first policy, wherein the packets are a first set of packets, and wherein  
3           execution of the one or more sequences of instructions by the one or more processors  
4           further causes the one or more processors to perform the steps of:  
5                   communicating, from the application to the operating system, a second policy for  
6                   manipulating packets; and  
7                   at the operating system, modifying a second set of packets based on the second policy  
8                   while the operating system is still configured to modify the first set of packets  
9                   based on the first policy.